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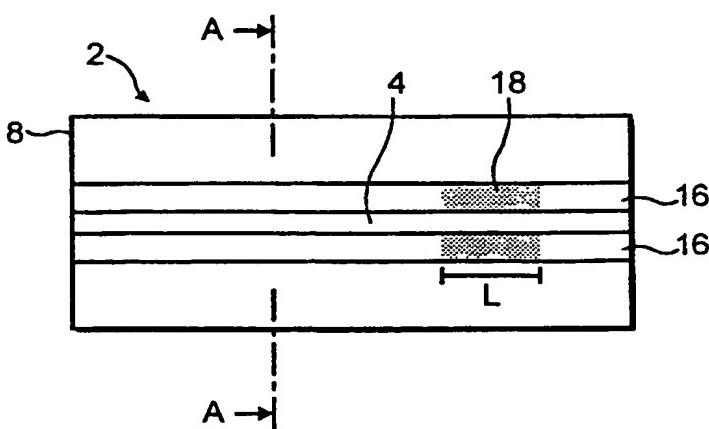
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## (54) Title: SEMICONDUCTOR LASER DIODE WITH A DISTRIBUTED REFLECTOR



(57) Abstract: There is disclosed a laser diode with a ridge waveguide (14), in which a distributed reflector takes the form of an array of holes (22) etched into the surface of the device on either side of the central waveguide.